10/

| POSITION                  | INITIALS | ID NO. | DATE      |
|---------------------------|----------|--------|-----------|
|                           | 100 ·C   |        | 9/12/00   |
| FEE DETERMINATION         |          |        | 171 07 00 |
| O.I.P.E. CLASSIFIER       |          |        |           |
| FORMALITY REVIEW          | XX       | 85%    | 10-18-01  |
| RESPONSE FORMALITY REVIEW | 7        |        |           |

## **INDEX OF CLAIMS**

| • | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | l | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| Claim  | , [            |  |  |          | Da           | te   |          |           |               | 7        | Claim Date |  |                  |              |          |          |              |          | Cla      | um       | Date     |  |          |               |                  |          |          |          |                |          |                 |                |               |          |
|--|----------------|--|--|----------|--------------|--|----------|-----------|---------------|----------|------------|--|------------------|--------------|----------|----------|--------------|----------|----------|----------|----------|--|----------|---------------|------------------|----------|----------|----------|----------------|----------|-----------------|----------------|---------------|----------|
|  |                | J =  | £/3/22                                       | (A)      |              |  |          | П         | Т             | 7        |            | T                                      | T                | 7            | 7        | 7        | _            | _        |          |          |          | П  |          |               | T                | ٦        | 7        |          |                | Ĭ        |                 |                | П             | $\dashv$ |
| · Final                                      | 2/8/2          | 12/14/61   | 3  | 4        | Z            | Cel.   | 6/18by   | İΙ        | i             |          | ۱ ـ        | Original                               | l                | 4/1/2        | 11/22h   | Æ        | 10/2/14      | 411867   |          |          |          |  | =        | Original      |                  |          | ١        |          |                |          |                 |                | - 1           |          |
| [ = ] =                                      | ٤,             | 12   | 2  | 12       | 1            | 3  | 18       |           |               |          | Final      | اڄ                                     | l                | 12           | 1        | 12       | 3            | 3        |          |          |          |  | Final    | Ę             | - 1              | -        | ı        |          |                |          |                 | •              | Ì             |          |
| - ×  | h              | خا   | 14   | -        |              |  | 3        | Н         | $\dashv$      | $\dashv$ | 1          | 91                                     | -                | -            | H        | -        |              | -        | _        |          | $\vdash$ | $\vdash$                                     | -        | 101           | +                | -        | $\dashv$ |          |                | _        | $\vdash$        | 1              |               | $\dashv$ |
| H-6  | ۲              | ╁╾   | -  | $\vdash$ | $\vdash$     | ┢  | H        | $\vdash$  |               | ┥        | -          | 51<br>52                               |                  | ⊢            | Н        | _        | -            |          | -        | -        | $\vdash$ | Н  | -        |               | +                | 4        | -        |          |                |          | Щ               | <del>i</del>   |               | 4        |
| $\vdash \vdash \vdash$                       | Ho             | ┢  | _  | -        | <u></u>      | ├-   | <b> </b> | -         | +             | -        | -          | 53                                     | ⊢                | H            | H        | _        |              | Н        |          | -        |          | $\vdash$                                     | $\vdash$ | 102           | 4                | 4        |          | _        | _              |          |                 | _              | _             | _        |
| المليدا                                      | <u>. I</u>     | L.,  | L  | _        | _            | <u> </u>   | _        | Щ         |               | _        | $\perp$    |  | Ĺ                |              | Ш        |          |              | Ш        |          |          |          |  | oxdot    | 103           |                  |          |          |          |                |          |                 |                |               |          |
| LIK  | 1              | 1✓   | ~  | <b>V</b> | 7            | <u>_</u>   | 11       | $\square$ | _ _           | 4        | $\perp$    | 54                                     | <u> </u>         |              |          |          | Ш            |          |          | _        |          | Ш  | $\perp$  | 104           | _                | _        |          |          |                |          |                 |                |               |          |
| -11  | 11             | Ш  | <u> </u>                                     |          |              | ļ  | L        | Щ         |               | _        | _          | 55                                     | _                | _            |          |          |              |          |          |          |          | Ш  |          | 105           |                  | _        |          | _        |                |          |                 | $\Box$         | ┙             | ╝        |
|  | Ш              | Ш  |  |          | ·            | L  |          |           |               | ╛        | <u> </u>   | 56<br>58<br>59                         |                  |              |          |          |              |          |          |          |          |  |          | 106           |                  |          | i        |          |                |          |                 | l              | I             |          |
| Ш  |                | 1  |  |          |              |  |          |           |               |          |            | $\mathfrak{G}$                         |                  |              |          |          |              |          |          |          |          |  |          | 107           |                  | _        |          |          |                |          |                 |                | $\neg$        |          |
|  | 1 V            | W  |  |          |              |  |          |           |               |          | L          | 58                                     |                  |              |          |          |              |          | ١,       |          |          |  |          | 108           |                  |          | П        |          |                |          |                 |                |               |          |
|  | Ju             | 77   |  |          |              |  |          | П         | $\neg$        | 7        |            | 59                                     | Г                |              |          |          |              | ı        |          |          |          | $\Box$                                       |          | 109           |                  | ٦        | コ        | 一        |                |          |                 |                |               | ┑        |
|  |                |  |  |          |              |  |          | П         | 1             | 7        |            | 60                                     |                  |              |          |          |              |          |          |          |          |  |          | 110           |                  | 7        | ヿ        | 一        |                |          |                 | $\neg$         | <del></del> † | _        |
| 9  | 1              |  |  |          |              |  |          | П         | $\neg$        | ┑        |            | (I)                                    |                  |              |          |          |              |          |          |          |          | П  |          | 111           | 十                | 7        |          | 一        | _              |          | $\neg$          | 寸              | _             | ᅱ        |
| 1  | !              | T  | П  |          |              |  |          |           | _             | 7        |            | (12)                                   |                  |              |          |          |              |          |          |          |          | Н  | _        | 112           | _                | ┪        | 一        | 寸        | _              |          | $\dashv$        | 寸              | 一             | ᅱ        |
| <u>                                     </u> | 3              | $\vdash$   | H  | $\dashv$ |              |  | H        | $\vdash$  | $\dashv$      | $\dashv$ | $\vdash$   | <b>5</b> 3                             |                  | -            | -        |          | $\vdash$     |          | -        |          |          | Н  | -        | 113           | $\dashv$         | +        | $\dashv$ | -        | -              | $\dashv$ | $\dashv$        | -+             |               |          |
| 1  | +              | Н  |  | $\dashv$ |              | H  | $\vdash$ | $\vdash$  | -             | -        | $\vdash$   | 1                                      | $\vdash$         |              | $\vdash$ | -        | $\vdash$     | $\dashv$ | -        |          |          | H  |          | 114           | +                | +        | $\dashv$ |          | -              | $\dashv$ | $\vdash$        | <del>-</del> † | -             | $\dashv$ |
|  |                |  | $\vdash$                                     | $\dashv$ |              | $\vdash$   | $\vdash$ | $\vdash$  | +             | $\dashv$ | -          | I                                      | -                | -            | $\vdash$ | -        |              | $\dashv$ | $\dashv$ | -        | _        | Н  | $\vdash$ | 115           | +                | $\dashv$ | ┥        |          | $\dashv$       | $\dashv$ | $\dashv$        | +              | -             |          |
| ┝┼╬  | <u>' </u>      | Н  | $\vdash$                                     | $\vdash$ |              | H  | Н        | $\vdash$  | +             | $\dashv$ | -          | 12                                     | $\vdash$         |              |          | _        |              | $\vdash$ | -        |          |          | Н  |          | 116           | +                | 4        |          |          | -              | $\dashv$ |                 | -              | $\dashv$      | $\dashv$ |
|  | _              | Н  | Н  | $\vdash$ |              | $\vdash$   | Н        | $\vdash$  | $\dashv$      | $\dashv$ | -          | 12                                     |                  | Н            | $\vdash$ | $\dashv$ | $\vdash$     |          | -        | -        |          | ├┤   |          | $\rightarrow$ | +                | 4        |          |          | _              |          | $\vdash$        | _              | $\dashv$      |          |
| 4  | 4-             | <del>   </del>                                   | $\vdash$                                     |          |              | $\vdash$   | Н        | Н         | +             | 4        | -          | 日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本 | $\vdash$         |              | $\vdash$ | -        | Ш            |          | _        |          |          | $\vdash$                                     | $\vdash$ | 117           | _                | 4        |          |          |                |          | $\Box$          | -              | 4             | 4        |
|  |                | Ш  |  |          |              | Ш  | Ш        | Ш         |               | 4        | <u> </u>   | Ψ                                      | Ш                |              |          |          |              |          | _        |          |          |  | $\vdash$ | 118           | -∔               | 4        | _        | _        | _              |          |                 | _              | _             | _        |
| 19   |                | Ш  |  |          |              |  |          |           |               | _        | L_         | 69                                     | _                |              |          |          |              |          |          |          |          | Ш  |          | 119           |                  | _        |          | . 🏻      |                |          |                 | _              | _             | _        |
| 20   | )              |  |  |          | 1            |  |          |           |               |          | (          | 煄                                      | <b>b</b>         |              |          |          |              |          | - 1      |          |          |  |          | 120           |                  |          | - 1      |          |                |          |                 |                | -             | - 1      |
| 21   | ī              | П  |  |          |              |  |          |           |               | ٦        |            | 71                                     |                  |              |          |          |              |          |          |          |          |  |          | 121           |                  | T        | $\neg$   | $\neg$   |                |          |                 | ヿ              | 一             | $\neg$   |
| <u> </u>                                     |                | П  |  |          |              |  |          | Ħ         | 十             | 7        | $\vdash$   | 72                                     | _                | _            |          |          |              |          |          |          |          |  |          | 122           | 十                | 7        |          | _        |                |          |                 | ┪              |               | ᅥ        |
| le:  | 3              | 1-   |  |          |              |  |          | $\forall$ | $\dashv$      | ┪        | -          | 1                                      | $\vdash$         | -            | $\Box$   |          |              |          | =        |          | $\vdash$ | $\vdash$                                     |          | 123           | -                | 7        |          |          | $\dashv$       | $\vdash$ | H               | ┪              | 一             | -        |
| 24<br>(25<br>26                              | 1              | H  | Н  |          | <del>-</del> |  | H        | $\vdash$  |               | -        | <u> </u>   | 72 73 74 75 65 77 8                    | Υ_               |              | $\vdash$ |          |              |          | -        |          | -        | -  |          | 124           | $\dashv$         | ┪        | $\dashv$ | $\dashv$ | _              |          | $\vdash$        | $\dashv$       | $\dashv$      | ᅱ        |
| 160  | 1              | Н  | $\vdash$                                     |          | _            |  | Н        | $\dashv$  | +             | ┨.       | $\vdash$   | +                                      |                  | $\vdash$     | Н        |          | -            | -        |          |          | -        | $\vdash$                                     | $\vdash$ | 125           | +                | ┪        | $\dashv$ | $\dashv$ |                |          |                 | $\dashv$       | $\dashv$      | $\dashv$ |
| Y  | Ψ_             | Н  | $\vdash$                                     |          |              | -  | Н        | $\dashv$  | +             | ┥ '      | ┰          | ×                                      | ,                | -            | 7        | _        | _            | 7        |          |          | _        | H  | -        | $\rightarrow$ | <del>-</del> - - | $\dashv$ | -        | -        |                |          |                 | -              | -4            | -        |
| -  | <del>' -</del> | Н  | -  |          | _            |  |          | $\dashv$  | $\rightarrow$ |          | 5          | 2                                      | 7                | -            | Y        | ( )      | 1111         |          | -        |          |          | $\vdash$                                     |          | 126           | -+               | -        |          |          |                |          | Н               | -              | -             | $\dashv$ |
| 27   |                |  | $\dashv$                                     |          |              | L  |          | $\dashv$  | -             | 4        | Q          | //                                     | Н                | J            | -~       | _        | 2            | ~        | _        |          | <u> </u> | $\vdash$                                     | $\vdash$ | 127           | -                |          |          |          | _              |          | _               |                | _             | $\dashv$ |
| 28   | 1-             | Ŀ  | Ш  |          |              | <u> </u>   | Щ        | $\sqcup$  | -             | 4        | $\vdash$   |  | Ш                |              | Ш        | _        | _            |          |          |          |          |  |          | 128           | 4                | 4        | $\dashv$ |          | _              |          |                 |                | _             |          |
| . 29   | <u>'</u>       | Ш  |  |          |              | L.   |          |           |               | _        | <u> </u>   | Þ                                      | LJ/              | L_           |          |          |              |          |          |          | _        | Ш  |          | 129           | _                | _        | _        |          |                | Ш        |                 |                | _             |          |
| (8)<br>(8)                                   | 2              | Ц  |  |          |              |  |          | Ш         |               |          | $\perp$    | 81<br>82                               |                  |              |          |          |              |          |          |          |          | Ш  |          | 130           |                  | _        |          |          |                |          |                 |                | _             |          |
| . (1   | <u>)</u>       |  |  |          |              |  |          |           | l_            |          | 8          | (8)                                    | 10               | /            | 1        | _        |              | 6        |          |          |          |  |          | 131           |                  |          |          |          |                |          |                 |                |               |          |
|  | 2)             |  |  |          |              |  |          |           |               |          | 9          | 82                                     |                  |              |          |          | 1            | 1        |          |          |          |  |          | 132           |                  |          |          |          |                |          |                 |                | _ إ           |          |
|  | 3              |  |  |          |              |  |          |           | Т             |          | 10         | 83                                     | П                | П            |          | _        |              | П        |          |          |          |  |          | 133           |                  |          |          |          |                |          |                 |                |               |          |
|  |                | П  |  |          |              | $\Gamma$   |          |           | $\top$        |          | 9          | 84                                     | П                | 7            | V        | V        | V            | V        |          |          | Γ        | П  |          | 134           | $\neg$           | T        |          |          |                |          |                 |                |               |          |
| 34   | 5              | П  | П  |          | :            |  | П        | $\Box$    | $\neg \vdash$ | 7        | 12         | 85                                     | П                | 7            | 7        | 1        | ,            | V        |          |          | Г        | П  |          | 135           | $\top$           | T        |          |          |                |          |                 |                |               | $\Box$   |
| (16  |                |  |  |          |              | Г  | П        | $\Box$    | _             | 1        | _          | 46                                     | П,               | П            |          |          | 1            | H        |          | _        | $\vdash$ | $\Box$                                       | _        | 136           | $\dashv$         | ┪        |          |          |                | П        | П               | $\Box$         |               | $\Box$   |
| 1  | 7              |  | М  |          |              | <del>                                     </del> | П        | $\vdash$  | +             | 1        | $\vdash$   |  | ٧                | ┌┤           | Н        | _        |              | Н        |          |          |          | -  |          | 137           | $\dashv$         | ┪        |          | $\Box$   |                | П        | $\vdash$        | $\vdash$       | $\exists$     | $\dashv$ |
| 38   | 3              | $\vdash$   |  |          |              | <u> </u>   | -        | $\vdash$  | +             | $\dashv$ | $\vdash$   |  | V                | 7            | $\vdash$ |          | Н            | $\vdash$ |          |          | $\vdash$ | $\vdash$                                     |          | 138           | $\dashv$         | $\dashv$ | -1       | =        | -              | Н        |                 |                | -             | $\dashv$ |
|  |                | $\vdash$   |  | $\vdash$ | -            | $\vdash$   | $\vdash$ |           | +             | ┦        | 3          | 89                                     | -                | H            | Н        | >        |              | ¥        |          |          | $\vdash$ | Н  | $\vdash$ | 139           | -+               | -        | $\dashv$ | $\dashv$ | -              | Н        | $\vdash$        |                | -             | $\dashv$ |
| 1  | <del>{</del>   | <del>                                     </del> | Н  | $\dashv$ | -            | -  | $\vdash$ |           | +             | $\dashv$ | 2          | 00                                     | $\vdash$         | $\vdash$     | ┝┈┤      | -        | :            | $\vdash$ | _        |          | -        | <del>  -  </del>                             | -        | -             | +                | $\dashv$ |          |          | <del>  -</del> | $\vdash$ |                 | -              | -             | -        |
| 4  | 4              |  | <b> </b>                                     |          |              |  |          | $\sqcup$  | _             | -        | 3          | 90                                     | <u> </u>         | <u> </u>     | Ш        | _        | ⊢-           | Ш        |          |          | -        | $\vdash$                                     |          | 140           | +                | 4        |          | <u> </u> | <u> </u>       |          | $\vdash \vdash$ |                |               | _        |
| <u>                                     </u> | ַנְי           | Щ  | lacksquare                                   |          |              | <u> </u>   | Ш        | $\square$ | $\perp$       | ۱٠       | 4          | 91                                     | <u> </u>         | <u> </u>     | Ш        | 1        | W            | •        |          | Ш        | _        | <u>                                     </u> |          | 141           | _                | _ļ       | _        |          | $\square$      | _        | Щ               |                | _             | $\Box$   |
| 42   | <u>:</u>       |  |  |          |              | <u></u>  |          | Ш         |               | ┙        | 17         | 26                                     |                  |              |          | ~        | 1            |          |          |          | L.       | Ш  |          | 142           |                  | _        |          |          |                | _        |                 |                | _             |          |
| (4   | 3)             |  |  | L        | L            | L  |          |           | $\prod$       |          | L          | 93                                     | Ĺ                | L            |          |          | L            |          |          |          | Ĺ        |  |          | 143           |                  | _]       |          |          |                |          |                 |                | _             | $\Box$   |
| [4   | 4              |  | i  |          |              |  |          |           | T             | 7        |            | 94                                     |                  |              |          |          | j            |          |          |          | _        |  |          | 144           | T                |          |          |          |                |          |                 |                |               |          |
| 4  | 1              |  |  |          |              | i  |          |           | 一             | 7        |            | 95                                     | T                | _            |          |          | Π            | П        |          |          | Г        |  |          | 145           | T                |          |          | П        |                |          |                 |                |               |          |
|  | 5              | T  | Г  |          | $\vdash$     | † <u> </u>                                       |          |           | $\dashv$      | 7        |            | 96                                     | _                | Г            |          |          | $\vdash$     | П        |          |          | -        |  |          | 146           | 十                |          |          | $\sqcap$ |                |          |                 |                | $\neg$        |          |
|  | 7              |  |  | $\vdash$ | $\vdash$     | t  | П        | Н         | $\dashv$      | 7        | -          | 97                                     | Ι                | <del> </del> |          |          | ┌╴           | H        |          |          | $\vdash$ | $\Box$                                       | _        | 147           | -                | T        | $\neg$   |          |                |          | П               |                |               | $\dashv$ |
| 1 14   | 3              | $\vdash$   | Н  | $\vdash$ | $\vdash$     | $\vdash$   | Н        | $\vdash$  | $\dashv$      | ┨        | -          | 98                                     | <del>  -  </del> |              | -        | $\vdash$ | $\vdash$     | -        | -        |          | -        | <del>     </del>                             | $\vdash$ | 148           | -+               | ┥        |          |          |                |          | П               | -†             | T             | $\dashv$ |
| d  | 7              | +  |  | $\vdash$ | -            | 1  | $\vdash$ | Н         | $\dashv$      | -        | -          | 99                                     | -                | $\vdash$     | $\vdash$ | $\vdash$ | <del> </del> |          | -        |          | Н        | $\vdash$                                     | $\vdash$ | 149           | +                | -1       | -        |          | $\vdash$       | $\vdash$ | H               |                | -i            | 닉        |
|  | <u> </u>       | $\vdash$   | -  |          | -            | +  | $\vdash$ | $\vdash$  |               | $\dashv$ | $\vdash$   | 100                                    |                  | $\vdash$     | Н        |          | ┝            | Н        | $\vdash$ | $\vdash$ | -        | $\vdash$                                     | -        | 150           | +                | 닉        |          |          | -              |          | $\vdash$        |                |               | $\dashv$ |
|  | - 1            |  | <u>.                                    </u> |          |              |  |          |           |               |          |            | 1,00                                   |                  |              |          | L        | Щ_           | $\Box$   |          |          |          | لــــــا                                     |          | <u>,, 20</u>  |                  |          | :        |          |                |          | -               | _              |               | :        |

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